

Converting Colors

$Yxy(77.0655, 0.2719, 0.3444)$

Have a look what the booklet for
Yxy(77.0655, 0.2719, 0.3444)
contains.

Yxy(76.8428, 0.2721, 0.3440)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(76.8428, 0.2721, 0.3440)

Conversions

Conversions Part 1

Format	Color
Hex	A2F2E5
RGB	162, 242, 229
RGB Percent	64%, 95%, 90%
CMY	0.3650, 0.0509, 0.1020
CMYK	0.33, 0.00, 0.05, 0.05
HSL	170°, 76%, 79%
HSV	170°, 33%, 95%
XYZ	60.7818, 76.8428, 85.7557
YIQ	216.5980, -43.5070, -21.0030

Conversions

Conversions Part 2

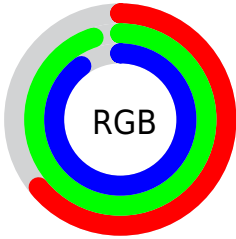
Format	Color
RYB	162, 206, 242
Decimal	10679013
CIELab	90.25, -27.20, -1.51
CIElCh	90, 27.240, 183.179
Yxy	76.8428, 0.2721, 0.3440
Android (android.graphics.Color)	4288869093 (0xFFA2F2E5)
YUV	216.5980, 6.1142, -47.8824
Hunter-Lab	87.6600, -29.6366, 3.3601

Details

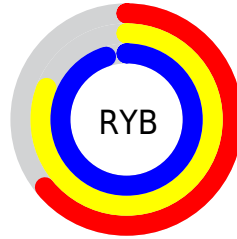
The Yxy color **76.8428, 0.2721, 0.3440** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **47.7842, 0.3773, 0.3148**, and the grayscale version is **69.0678, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.8001, 0.2911, 0.3289**, and **41.2996, 0.2629, 0.3473** is the 20% darker color. If you saturate the color by 10%, you get **74.3349, 0.2622, 0.3493**, and if you desaturate by 10%, it is **79.8495, 0.2834, 0.3390**.

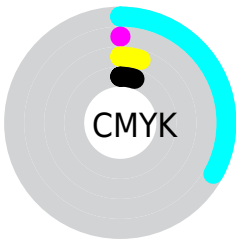
Distribution



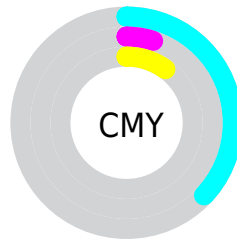
- Red (64%)
- Green (95%)
- Blue (90%)



- Red (64%)
- Yellow (81%)
- Blue (95%)



- Cyan (33%)
- Magenta (0%)
- Yellow (5%)
- Black (5%)





- Cyan (37%)
- Magenta (5%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.8428, 0.2721, 0.3440 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 76.8428, 0.2721, 0.3440 by changing the saturation by 10% instead.


 76.8428, 0.2721,
0.3440

 76.8428, 0.2721,
0.3440


484.2279, 0.2906,
0.3372

 57.1239, 0.2679,
0.3455


 128.9176, 0.2785,
0.3417

 41.1047, 0.2628,
0.3473


 162.0422, 0.2810,
0.3408

 28.4009, 0.2564,
0.3496


200.4041, 0.2831,
0.3400

 18.6281, 0.2482,
0.3525

244.3878, 0.2850,
0.3393

 11.4019, 0.2371,
0.3564

294.3776, 0.2866,
0.3387

 6.3378, 0.2215,
0.3618

350.7580, 0.2881,

 3.0516, 0.1980,

0.3382

413.9133, 0.2894,
0.3377

0.3697

1.1587, 0.1398,
0.3907

0.0276, 0.0000,
0.1690

76.8428, 0.2721,
0.3440

76.8428, 0.2721,
0.3440

74.3349, 0.2622,
0.3493

79.8495, 0.2834,
0.3390

72.2885, 0.2538,
0.3548


83.3715, 0.2956,
0.3344

70.6755, 0.2472,
0.3606


87.4361, 0.3086,
0.3302


69.4613, 0.2426,
0.3664


91.3527, 0.3196,
0.3264

 68.6056, 0.2400,
0.3723

 91.5952, 0.3171,
0.3226

 68.0597, 0.2392,
0.3781

 91.8429, 0.3147,
0.3188

 67.8129, 0.2395,
0.3821

 91.9963, 0.3133,
0.3166

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.8428, 0.2999, 0.3716



76.8428, 0.2721, 0.3440



76.8428, 0.2554, 0.3133

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.8428, 0.2721, 0.3440



76.8428, 0.2911, 0.2782



76.8428, 0.3757, 0.3650

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



76.8428, 0.2721, 0.3440



47.7842, 0.3773, 0.3148

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.8428, 0.3735, 0.3397



76.8428, 0.2721, 0.3440



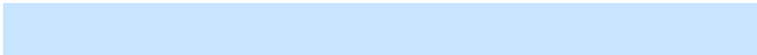
76.8428, 0.3233, 0.2913

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.8428, 0.2721, 0.3440



76.8428, 0.2660, 0.2771



76.8428, 0.3540, 0.3133



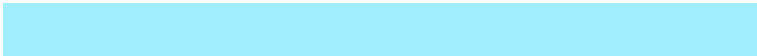
76.8428, 0.3601, 0.3826

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.8428, 0.2721, 0.3440



76.8428, 0.2523, 0.2960



76.8428, 0.3540, 0.3133



76.8428, 0.3770, 0.3571

Sweetspot

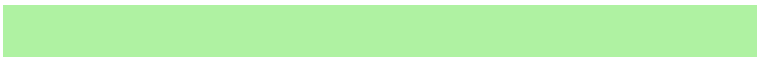
The Sweet Spot groups the original color and five complimentary colors.



76.8459, 0.2721, 0.3440



95.2163, 0.2995, 0.3331



75.2667, 0.3165, 0.4252



20.2471, 0.2977, 0.3337



0.0000, 0.0000, 0.0000



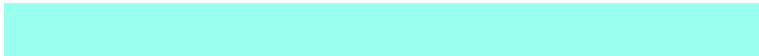
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.8459, 0.2721, 0.3440



84.4901, 0.2650, 0.3477



62.8478, 0.2616, 0.2973



17.8822, 0.3003, 0.3329



36.4400, 0.2392, 0.3812



3.0431, 0.2371, 0.3735

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



47.7842, 0.3773, 0.3148



46.9289, 0.3977, 0.3118



57.7170, 0.3804, 0.3584



15.8007, 0.3268, 0.3252



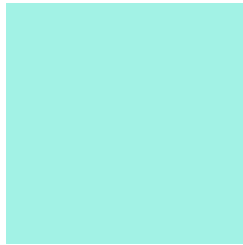
10.2340, 0.6166, 0.3170



0.8636, 0.5836, 0.2989

Previews

White Background



This preview shows how the Yxy color 76.8428, 0.2721, 0.3440 looks on a white background.

Color Contrast Check

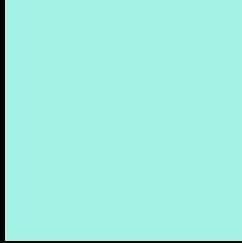
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 76.8428, 0.2721, 0.3440 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

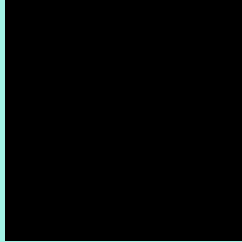
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.8428, 0.2721, 0.3440

Background



This preview shows how black text looks on a background with the Yxy color 76.8428, 0.2721, 0.3440.

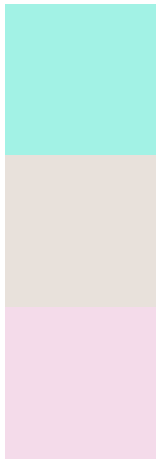


This preview shows how white text looks on a background with the Yxy color 76.8428, 0.2721, 0.3440.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

76.8428, 0.2721, 0.3440

Protanopia

76.1207, 0.3216, 0.3354

Deuteranopia

75.8366, 0.3206, 0.3137



Tritanopia

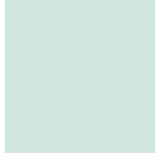
76.6726, 0.2642, 0.3089

Trichromacy



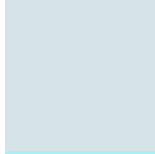
Original Color

76.8428, 0.2721, 0.3440



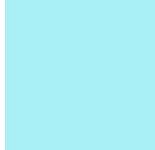
Protanomaly

75.7449, 0.3016, 0.3378



Deuteranomaly

75.0605, 0.3007, 0.3236



Tritanomaly

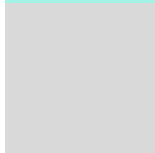
76.8218, 0.2668, 0.3210

Monochromacy



Original Color

76.8428, 0.2721, 0.3440



Achromatopsia

69.3872, 0.3127, 0.3290



Achromatomaly

71.4835, 0.2962, 0.3346

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.8428, 0.2721, 0.3440 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(162, 242, 229)` looks like.

```
.text, #text, p{  
    color:rgb(162, 242, 229)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(162, 242, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 242, 229) }
```

Border

The CSS property to change the border of an element to Yxy 76.8428, 0.2721, 0.3440 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(162, 242, 229) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(162, 242, 229) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(162, 242, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 242, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 242, 229);  
box-shadow:4px 4px 4px 4px rgb(162, 242,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 76.8428, 0.2721, 0.3440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 242, 229) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(162,  
242, 229) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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